DOCUMENT RESUME

ED 207 622 JC 810 490

AUTHOR Bresler, Marilyn
TITLE Population and Enrollment Projections. Analytical Studies Research Report[s], 81-1 [and] 81-5.
INSTITUTION Maricopa County Community Coll. District, Phoenix, Ariz. Office of Educational Development.
PUB DATE 81
NOTE 55p.

EDRS PRICE MF01/PC03 Plus Postage.
DESCRIPTORS Community Colleges; *Enrollment; Enrollment Influences; *Enrollment Projections; Enrollment Rate; Enrollment Trends; Full Time Equivalency; Multicampus Districts; Population Growth; *Population Trends; Two Year Colleges; *Two Year College Students

ABSTRACT

These two reports from the Maricopa County Community College District (MCCCD) present population projections for the MCCCD service area and enrollment projections for the district and its seven individual colleges. The first report reviews enrollment increases over the past decade and presents fall 1980 figures as a background for examining county population projections. The report reviews projections from six sources and discusses the implications for MCCCD of in-migration, an increase in the birth rate in the county, and a population shift from older, central city regions to growth areas in the northwest and southeast parts of the county. Data tables are provided in the report. The second report presents the full-time student equivalent (FTSE) and headcount enrollment for the district and its colleges from 1971-72 through 1980-81. Additionally, this report provides two sets of FTSE and headcount projections for the period 1981 through 1985. One set is based on the enrollment pattern of the previous ten years (1971 through 1980), while the other is based on a five-year pattern (1976 through 1980). Projection variations occasioned by differences in the two base patterns are summarized and discussed. For example, using the ten-year base pattern, growth was predicted to total 1050 FTSE; however, when the five-year pattern was used, growth was predicted to total 419 FTSE. The second report also contains graphs and data tables. (KL)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED207622

Maricopa Community Colleges

Office of Educational Development

Analytical Studies

Research Report

POPULATION AND ENROLLMENT PROJECTIONS
81-1

ENROLLMENT PROJECTIONS 1981-85
81-5

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

Marilyn Presler

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

☐ This document has been reproduced as received from the person or organization originating it.

X Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

3910 E. Washington St.
Phoenix, Arizona 85034
(602) 244-8355

JC 810 490

81-1

POPULATION AND ENROLLMENT

PROJECTIONS

THE MARICOPA COMMUNITY COLLEGES

POPULATION AND ENROLLMENT PROJECTIONS:

A Brief Report, October 1980

(Highlights from this paper were presented to the MCCCD Resource Allocation Commission meeting of October 15, 1980, by Mike Svaco)

Enrollments: Past and Present

The current 45th Day Fall 1980 headcount enrollment is 60,798. This enrollment has increased greatly over the decade of the seventies. For the 1970-71 Schoolyear, the headcount enrollment was 28,827. By the end of the decade, this enrollment had grown to 58,281, a 102% increase. For this same period, Full-Time Student Equivalents or FTSE had grown from 16,445 to 17,299, a 66% increase. For the entire state community college system, these increases were even larger; there was a 154% increase in headcount and a 92% FTSE increase. The Maricopa Community College enrollments are approximately 54% of the total state community college enrollment and 30% of the state enrollment in higher education.

The following chart presents current comparisons of Maricopa Community College enrollments from the Fall 1980-81 reports:

College	Enrollment	FTSE	Vocational FTSE
GCC	13,001	6,644.5	1,312.2
% of MCCCD	21%	23%	21%
MTCC*	3,211	1,679.4	1,117.1
% of MCCCD	5%	6%	18%
MCC	13,640	7,269.4	1,319.9
% of MCCCD	22%	25%	21%
PC	13,495	6,682.4	1,397.4
% of MCCCD	22%	23%	23%
RSCC	9,871	2,545.7	553.3
% of MCCCD	16%	9%	9%
SCC	6,865	3,542.4	429.5
& of MCCCD	11%	12%	7%
SMCC	726	354.4	31.9
% of MCCCD	1%	1%	1%
MCCCD TOTAL	60,798	28,817	6,163.3

* Does not include MTCC's cumulative census enrollment of 105.6 FTSE

Enrollment Projections at a Simple Glance

Not surprisingly, there is a direct correlation between the population growth of Maricopa County and the enrollment growth of the Maricopa Community Colleges. Projections of County population growth provide one of the most easily understood and readily acceptable basis for projecting our enrollment and FTSE growth. Of course, numerous other factors must be considered when making projections, but County population growth can be used as the basic factor with good results. Also, the question is not whether Maricopa County is going to continue to grow, but rather, how much growth is there going to be in the next decade or through the remainder of the century.

County population projections for the next decade from DES, MAG, Inside Phoenix, Foresight Eighty, and Arizona Tomorrow all project population increases for the eighties which range from 378,000 to 750,000. It may be that these various agencies and organizations use the most up-to-date and sophisticated methods available in their work on projections, but let's concentrate on two simple observations:

1. The County has had a rather constant yearly increase of around 11,000 births over deaths for most of the seventies; it is safe to assume that there will be at least 100,000 more people here because of this natural increase.

2. The estimated net in-migration to Maricopa County has been:
   a. 1976 30,000
   b. 1977 36,000
   c. 1978 54,000
   d. 1979 74,000

Depending upon the year in which a projection was made for the eighties, it is not too difficult to see how population estimates for the coming decade can vary from about 400,000 to 750,000; just take ten times the in-migration plus the natural increase due to births.

Assuming a yearly increase of 11,000 births over deaths in the County and an increasing net-migration (in years without a recession), any of the current projections may be conservative. Remember, these projections are all guesses that

MARICOPA COUNTY POPULATION PROJECTIONS: 1980-2000

	TAI[1]	STAT ABSTRACT[2]	PHX 79[3]	PHX 80[4]	STAT REVIEW[5]	FORESIGHT[6]
1980	1,385,500	1,453,500	1,500,000	1,550,000	1,485,098	1,650,400
1985	1,587,845	1,621,941	1,800,000	1,900,000	1,656,200	N/A
1990	1,799,000	1,831,559	2,200,000	2,300,000	1,895,500	2,250,000
2000	2,260,000	2,352,000	N/A	N/A	2,443,000	N/A

[1]Tadlock Associates Inc. Long Range Master Plan for Maricopa County Community College District. Phoenix: Maricopa County Community College District, 1978. p. 17 (from Mag/CAPM)

[2]University of Arizona. Arizona Statistical Abstract. Tucson: Nat de Gennaro, ed. Northland Press, 1979, p. 21. (based on DES Planning Dept. data, July 1978)

[3]Arizona Republic and Phoenix Gazette. Inside Phoenix 1979. p. 8.

[4]Arizona Republic and Phoenix Gazette. Inside Phoenix: Update 1980. p. 3.

[5]Valley National Bank. Arizona Statistical Review. Phoenix: 1980. p. 7.

[6]Western Savings and Loan Association. Foresight Eighty. Phoenix: 1980. p. 8

Compiled by Analytical Studies
10/24/80

assume, for the most part, that the complex array of factors affecting population growth in the past will play a significant role in the future, i.e., what happened at time t-1 determines what will happen at time t and this, in turn, will determine what is going to happen at time t+1.

Choosing a conservative estimate of county population growth of 600,000 for the next decade (Foresight Eighty) and assuming the same historical rate of attendance for community college students, we can expect an approximate headcount growth of 20,000 and a 9,500 FTSE growth. (Depending upon the population projection used, this estimate can range from 13,000 to 30,000 headcount and from 6,000 to 13,000 FTSE.) It is interesting to note that using the methods of linear and multiple regression on our own enrollment numbers, we derived FTSE growth of 3.7% and 3.3% per year. These percents extrapolate to a ten year increase of between 9,000 and 10,000 FTSE. These estimates correspond quite well to the 9,500 FTSE estimate based on the 600,000 population growth estimate.

(Another set of statistics that lends credence to our population projection is found by comparing Arizona's growth to other Sun Belt states for the 1970-78 period. The national average rate of population increase for this period was .8%; the Sun Belt average was 1.7%, and Arizona led the Sun Belt state with an average annual population increase of 3.4%, more than four times the national average. Thus, projecting a 600,000 or 3.6% annual average population increase for Maricopa County through the next decade is not unreasonable.)

Projecting population or enrollment growth out to ten years is hazardous at best. Changes in the economic, political, or social life of the community, state, or nation can give rise to numerous factors which can make any projections useless. For instance, if there is a long-term economic slowdown affecting in-migration or industrial growth and employment, the projections are out the window. Or, more importantly for us, if there are not facilities and programs available in the areas of future county population growth (the community college proximity factor), we will need to revise our enrollment projections rather quickly. Also, in the older or central city regions of Phoenix and Scottsdale, there is a

continuing loss of the school age population which will undoubtedly cause consolidation and closure of some elementary and high schools at the same time that school districts in the growth areas of the county continue to expand. It seems reasonable to conclude that maintaining enrollments in the community colleges serving these central city regions while providing new facilities and programs in northwest and southeast county growth regions will be one of the more difficult problems for the Maricopa Community Colleges in the eighties.

One concluding thought: like Lyman A. Glenny at Berkeley and the Carnegie Council (1975), I agree that "it takes a dash of bravado to make a projection; but a touch of madness to believe too much in its invincibility".

MS
November 1980

81-5

ENROLLMENT PROJECTIONS
1981-1985

REPORT NO: 81-5

TITLE: Enrollment Projections, 1981-1985

DATE PREPARED: May 1981

PREPARED BY: Marilyn Bresler

SOURCES: FTSE and headcount data were taken from the Factbook 1980.

DATA DESCRIPTION AND SUMMARY:

The following tables and graphs summarize FTSE and headcount for the district and all colleges. The average (Fall and Spring semesters) yearly FTSE and headcount from 1971-72 through 1980-81 are reported.

Linear regression was used to project FTSE and headcount for the next five years. The linear regression was done using the entire ten-year period (1971 through 1980) or only the past five years (1976 through 1980). The use of different baseline periods generates different enrollment projections.

When the entire ten-year period is used, enrollment projections are high. This is because the ten-year period includes the high enrollment of 1975. Linear regression lines which include this high enrollment period show a high growth rate. When the five-year period is used, enrollment projections are lower.

Tables 1 through 7 and the accompanying graphs show the average FTSE and projected FTSE for the district and each college.* Tables 8 through 14 and the accompanying graphs show the average headcount and projected headcount for the district and all colleges.* Tables 15 and 16 show the enrollment projections made by each college for the 1981-82 year.

To summarize the enrollment projections for the district:

1 - When the ten-year period is used to project total FTSE, the growth predicted is 1050 total FTSE per year.

2 - When the five-year period is used to project total FTSE, the growth predicted is 419 total FTSE per year.

3 - Day FTSE is more affected by the use of the ten-year versus the five-year baseline period than is evening FTSE. That is, evening FTSE has shown a more constant growth rate over the last ten years than has day FTSE.

4 - When the ten-year period is used to project total headcount, the growth predicted is 3276 students per year.

5 - When the five-year period is used to project total headcount, the growth predicted is 3214 students per year. The difference in the two projections is small. This indicates that headcount has shown a more constant increase in the last ten years than has FTSE.

6 - District evening headcount is the only measure where the use of the five-year period results in a higher growth rate than the use of the ten-year period.

---

* There are no projections for South Mountain Community College because linear regression cannot be used with a one-year enrollment history; Rio Salado Community College projections are based on its three-year enrollment history.

TABLE 1

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT

FTSE FOR 1971-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY FTSE	EVENING FTSE	TOTAL FTSE
1971-72	12228	6033	18261
1972-73	12187	7350	19537
1973-74	11661	8404	20065
1974-75	14083	10487	24570
1975-76	16360	12195	28554
1976-77	15843	10567	26410
1977-78	15465	10542	26007
1978-79	15100	11013	26113
1979-80	15948	11368	27315
1980-81	15887	11966	27852

PROJECTED FTSE BASED ON 1971-1980 (TEN YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.81	.83	.84
SLOPE (m)	485	564	1050
1981-82	17146	13096	30240
1982-83	17631	13660	31290
1983-84	18116	14225	32340
1984-85	18602	14789	33389
1985-86	19087	15353	34439

PROJECTED FTSE BASED ON 1976-1980 (FIVE YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.25	.96	.82
SLOPE (m)	57	363	419
1981-82	15820	12178	27997
1982-83	15877	12541	28416
1983-84	15934	12903	28835
1984-85	15991	13266	29255
1985-86	16048	13628	29674

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT

PROJECTED FTSE BASED ON PREVIOUS TEN OR FIVE YEAR PERIOD

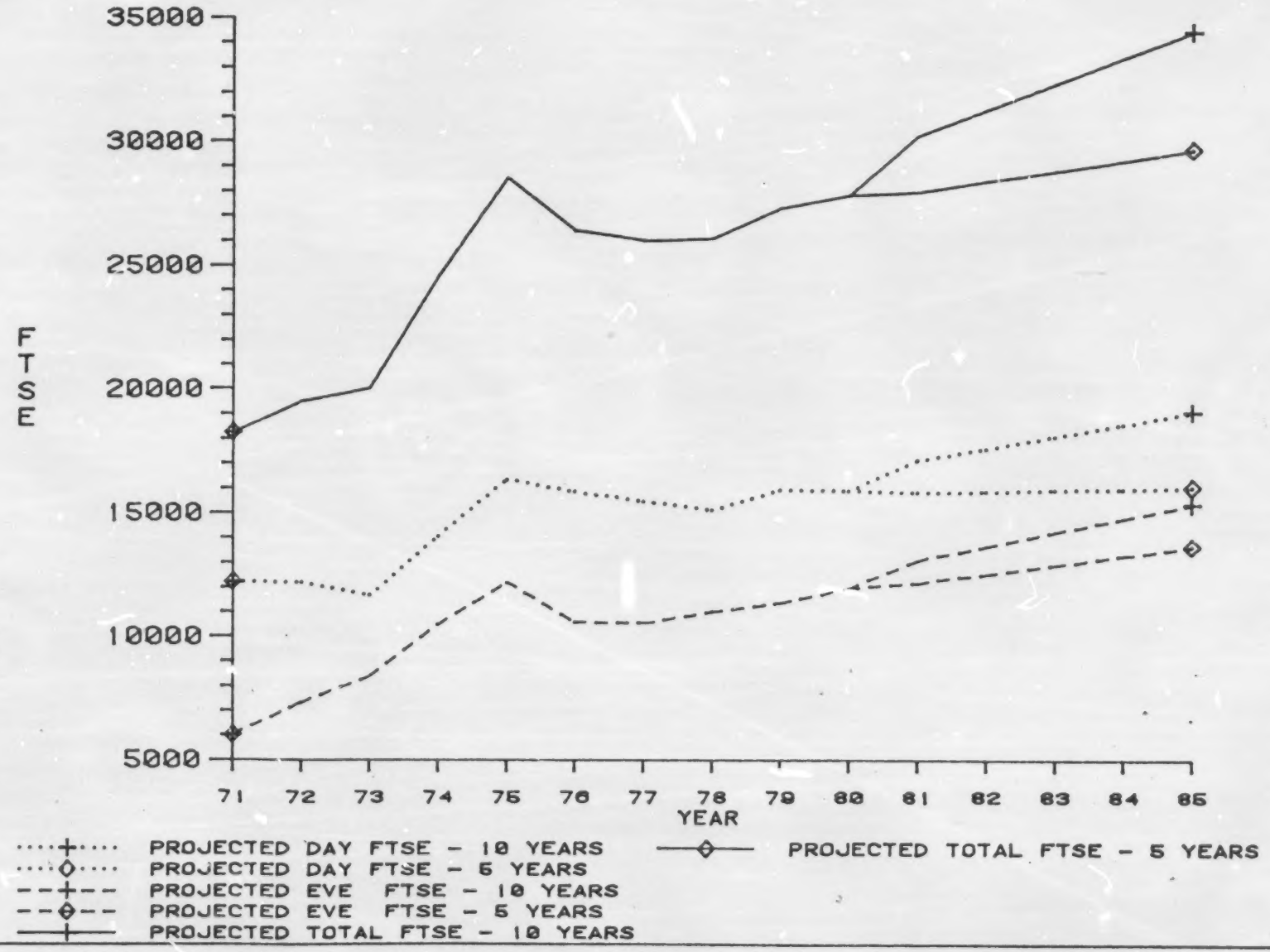

TABLE 2

GLENDALE COMMUNITY COLLEGE

FTSE FOR 1971-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY FTSE	EVENING FTSE	TOTAL FTSE
1971-72	3054	1230	4283
1972-73	2863	1541	4403
1973-74	2811	1868	4678
1974-75	3413	2387	5800
1975-76	4250	2835	7085
1976-77	4024	2493	6516
1977-78	4001	2523	6523
1978-79	3800	2326	6126
1979-80	3955	2418	6373
1980-81	3995	2425	6420

PROJECTED FTSE BASED ON 1971-1980 (TEN YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.77	.71	.77
SLOPE (m)	137	117	254
1981-82	4370	2846	7216
1982-83	4507	2963	7470
1983-84	4644	3080	7724
1984-85	4781	3196	7977
1985-86	4918	3313	8231

PROJECTED FTSE BASED ON 1976-1980 (FIVE YEAR) PERIOD

CORRELATION COEFFICIENT (r)	-.18	-.50	-.33
SLOPE (m)	-10	-24	-34
1981-82	3924	2365	6289
1982-83	3913	2341	6255
1983-84	3903	2317	6221
1984-85	3893	2292	6186
1985-86	3882	2268	6152

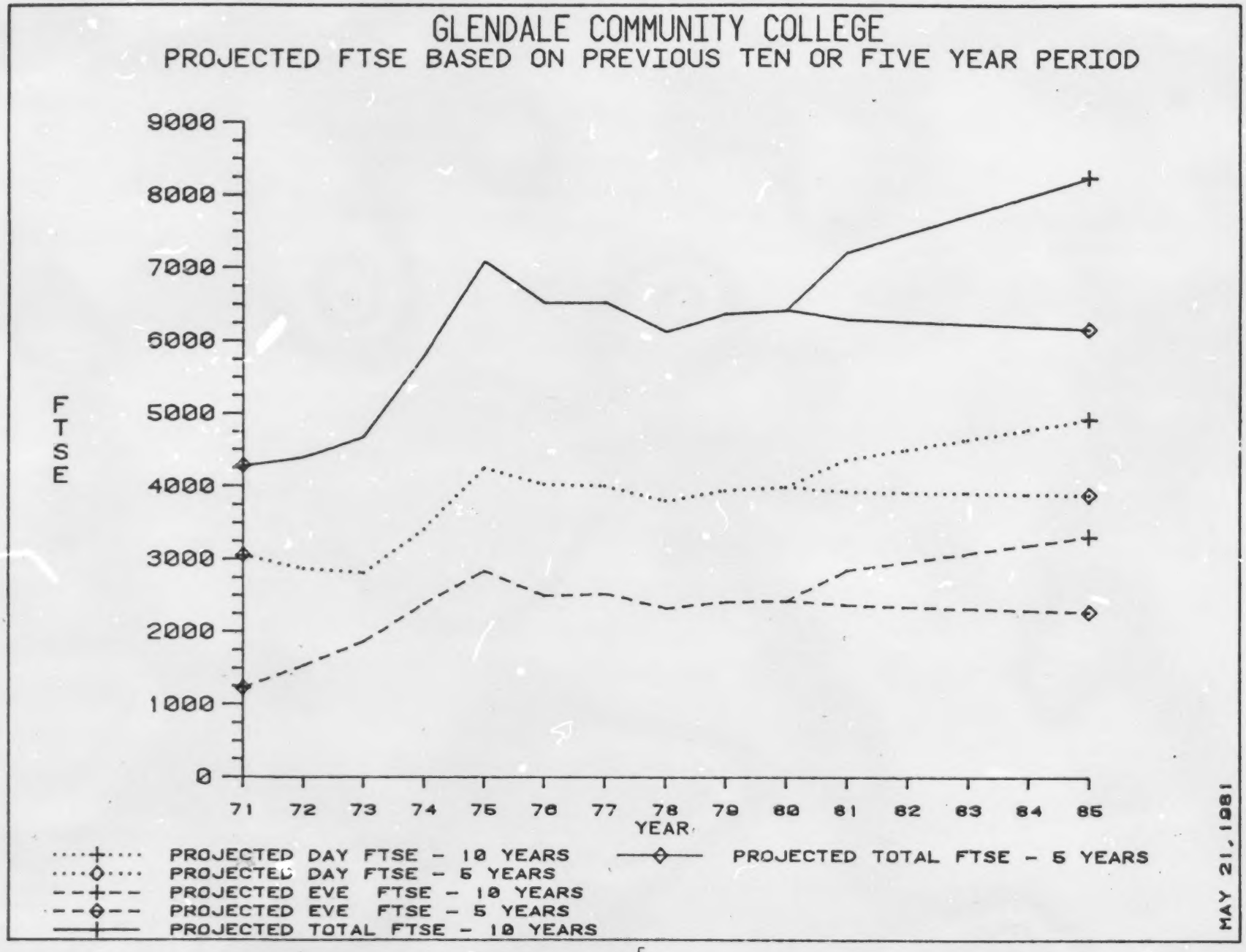
GLENDALE COMMUNITY COLLEGE
PROJECTED FTSE BASED ON PREVIOUS TEN OR FIVE YEAR PERIOD
FTSE
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY FTSE - 10 YEARS
PROJECTED DAY FTSE - 5 YEARS
PROJECTED EVE FTSE - 10 YEARS
PROJECTED EVE FTSE - 5 YEARS
PROJECTED TOTAL FTSE - 10 YEARS
PROJECTED TOTAL FTSE - 5 YEARS
MAY 21, 1981

TABLE 3

MARICOPA TECHNICAL COMMUNITY COLLEGE

FTSE FOR 1971-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY FTSE	EVENING FTSE	TOTAL FTSE
1971-72	1206	1245	2451
1972-73	1304	1558	2862
1973-74	1123	1878	3000
1974-75	1570	1988	3557
1975-76	1604	1893	3497
1976-77	1327	1451	2778
1977-78	1225	1501	2725
1978-79	1135	765	1900
1979-80	1142	742	1883
1980-81	996	650	1646
PROJECTED FTSE BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	-.40	-.68	-.63
SLOPE (m)	-26	-112	-138
1981-82	1121	749	1869
1982-83	1095	637	1731
1983-84	1069	525	1593
1984-85	1043	412	1455
1985-86	1017	300	1316
PROJECTED FTSE BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	-.96	-.89	-.93
SLOPE (m)	-75	-236	-311
1981-82	942	314	1255
1982-83	867	77	944
1983-84	793	-159	633
1984-85	718	-395	323
1985-86	644	-631	12

MARICOPA TECHNICAL COMMUNITY COLLEGE

PROJECTED FTSE BASED ON PREVIOUS TEN OR FIVE YEAR PERIOD

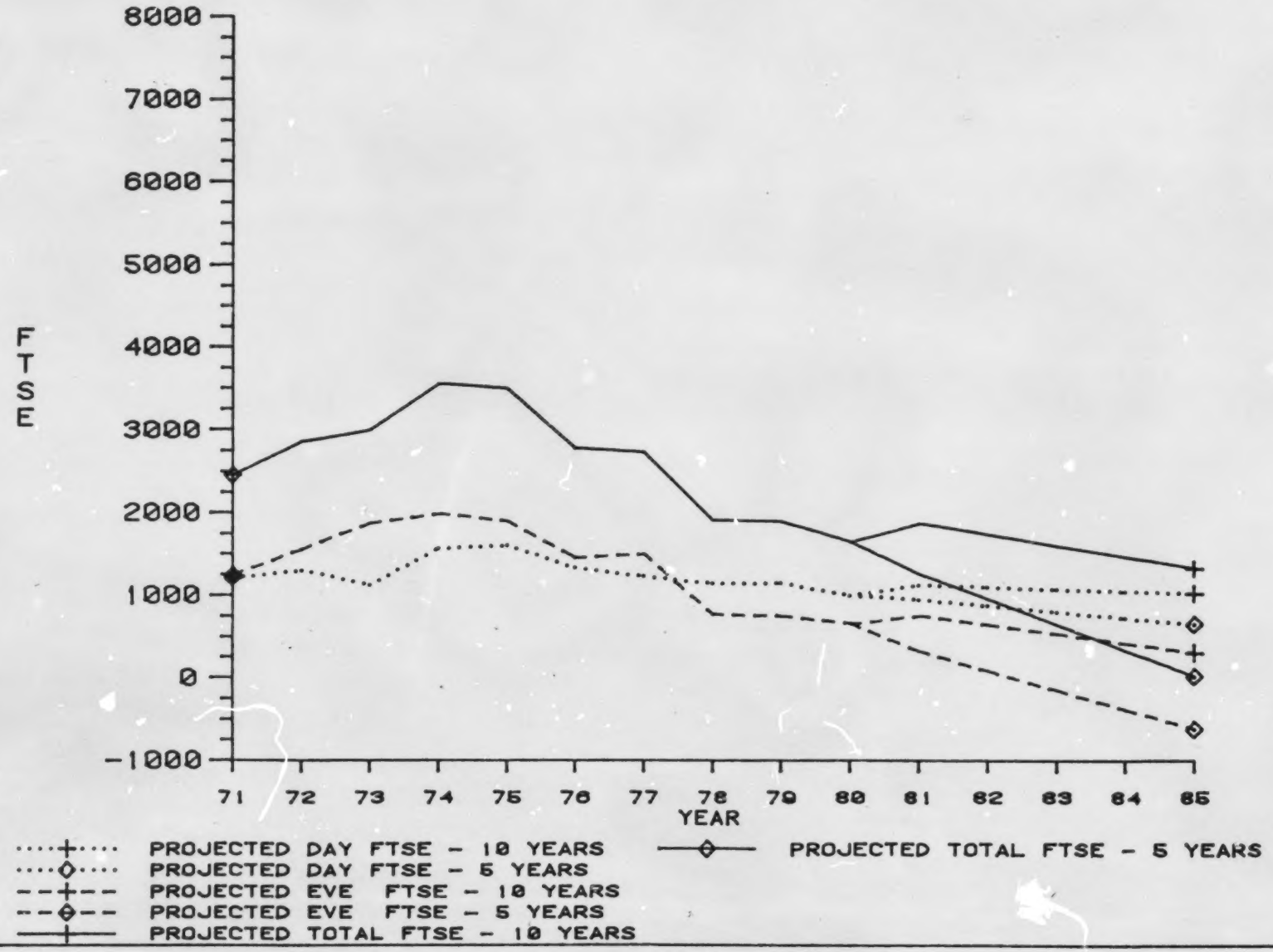

TABLE 4

MESA COMMUNITY COLLEGE

FTSE FOR 1971-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY FTSE	EVENING FTSE	TOTAL FTSE
1971-72	3401	1098	4499
1972-73	3225	1366	4591
1973-74	3172	1522	4694
1974-75	3778	2224	6002
1975-76	4259	2855	7113
1976-77	4202	2499	6701
1977-78	4114	2535	6648
1978-79	4098	2339	6637
1979-80	4228	2529	6756
1980-81	4407	2537	6944

PROJECTED FTSE BASED ON 1971-1980 (TEN YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.86	.79	.85
SLOPE (m)	131	156	293
1981-82	4610	3009	7672
1982-83	4742	3165	7965
1983-84	4873	3321	8259
1984-85	5004	3477	8552
1985-86	5135	3633	8845

PROJECTED FTSE BASED ON 1976-1980 (FIVE YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.67	.13	.75
SLOPE (m)	52	.7	59
1981-82	4367	2509	6915
1982-83	4419	2516	6975
1983-84	4472	2523	7034
1984-85	4524	2530	7094
1985-86	4577	2537	7153

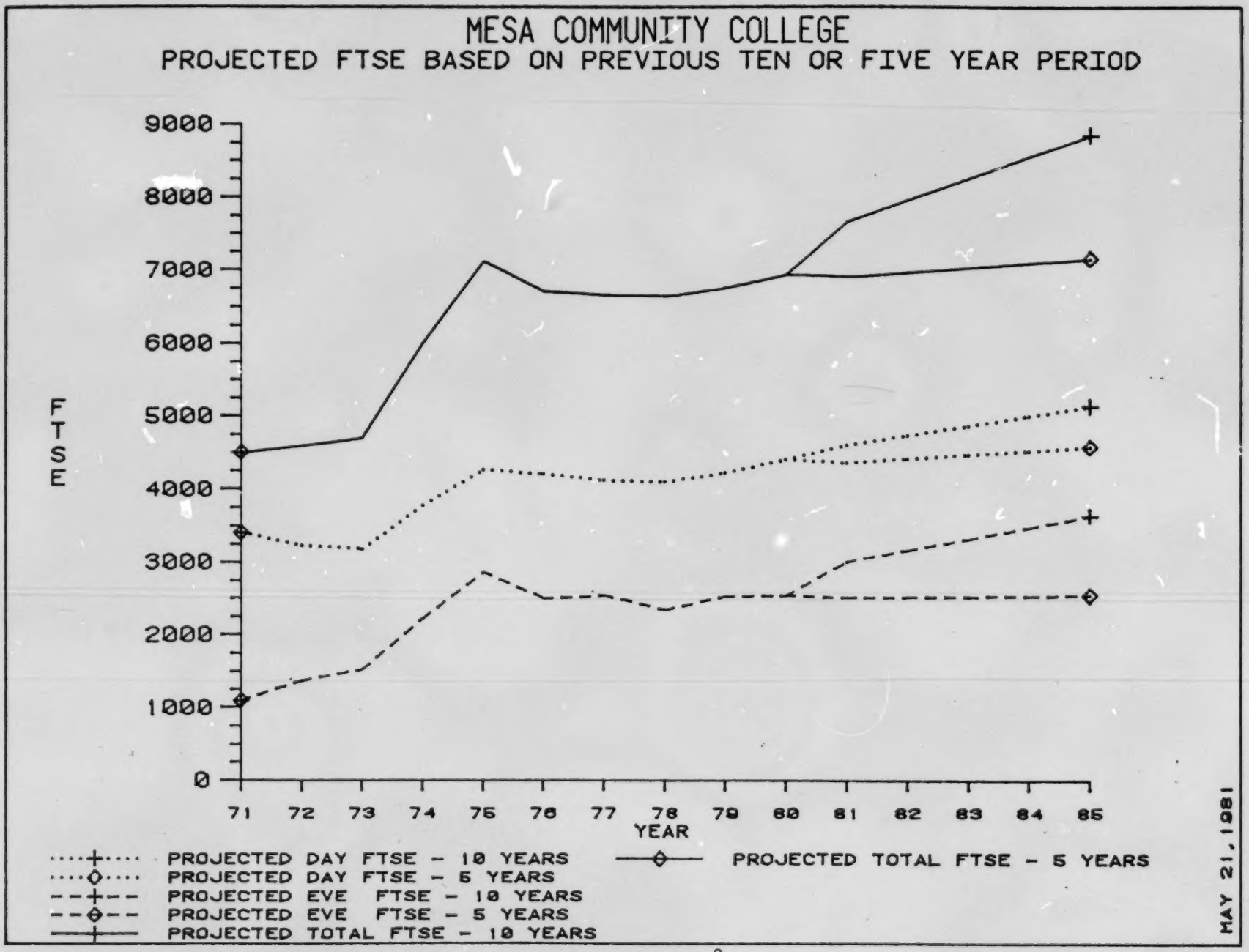
MESA COMMUNITY COLLEGE
PROJECTED FTSE BASED ON PREVIOUS TEN OR FIVE YEAR PERIOD
FTSE
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY FTSE - 10 YEARS
PROJECTED DAY FTSE - 5 YEARS
PROJECTED EVE FTSE - 10 YEARS
PROJECTED EVE FTSE - 5 YEARS
PROJECTED TOTAL FTSE - 10 YEARS
PROJECTED TOTAL FTSE - 5 YEARS
MAY 21, 1981

TABLE 5

PHOENIX COLLEGE

FTSE FOR 1971-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY FTSE	EVENING FTSE	TOTAL FTSE
1971-72	4016	2107	6123
1972-73	3616	2293	5909
1973-74	3272	2405	5677
1974-75	3644	2930	6574
1975-76	4236	3372	7608
1976-77	4266	2976	7242
1977-78	4078	2858	6936
1978-79	3819	2590	6409
1979-80	3976	2674	6650
1980-81	3948	2492	6440
PROJECTED FTSE BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.36	.32	.39
SLOPE (m)	36	39	75
1981-82	4086	2885	6971
1982-83	4122	2924	7046
1983-84	4159	2963	7121
1984-85	4195	3002	7197
1985-86	4231	3041	7272
PROJECTED FTSE BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	-.70	-.92	-.85
SLOPE (m)	-74	-115	-189
1981-82	3796	2372	6168
1982-83	3722	2257	5979
1983-84	3648	2142	5790
1984-85	3575	2027	5601
1985-86	3501	1912	5412

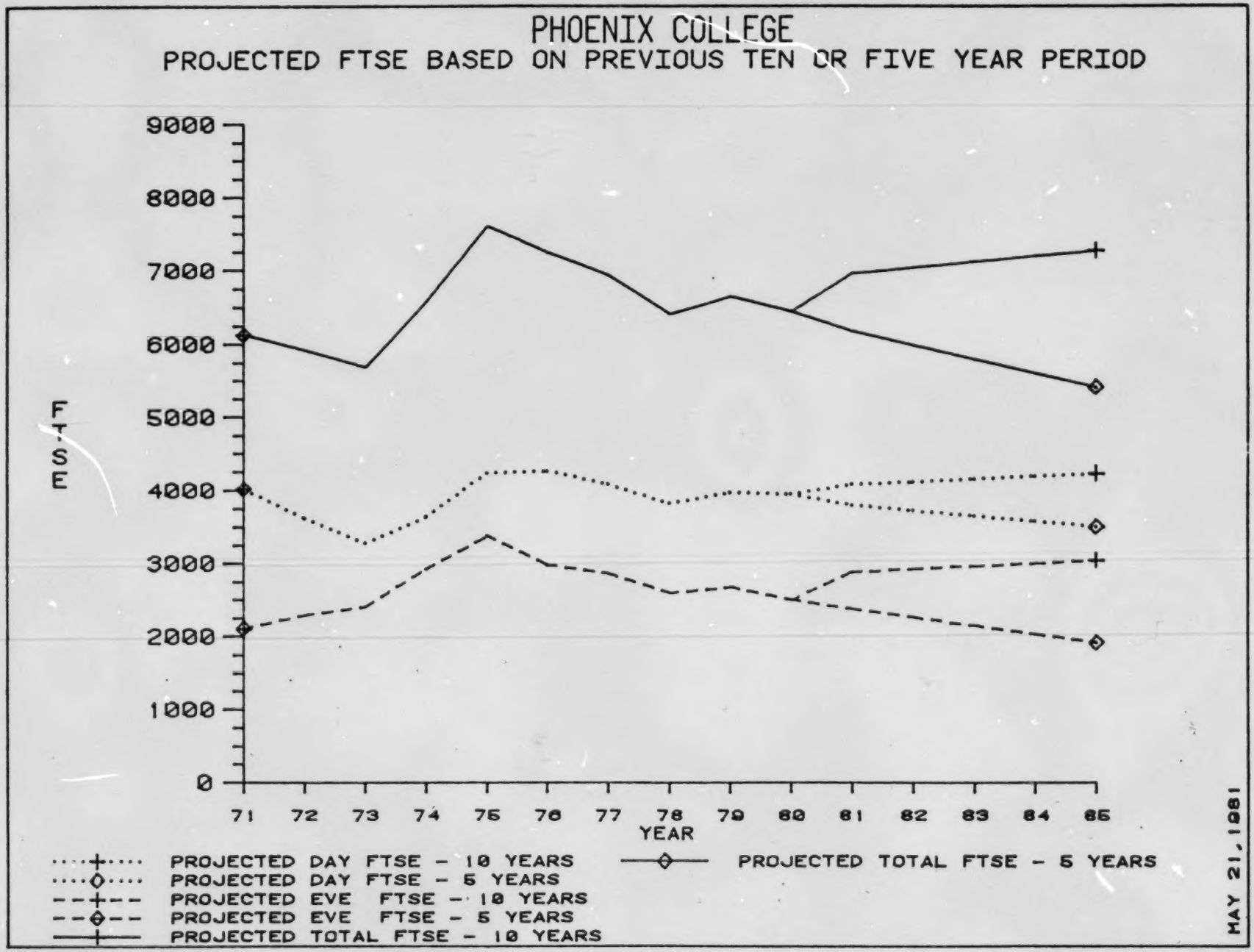
PHOENIX COLLEGE
PROJECTED FTSE BASED ON PREVIOUS TEN OR FIVE YEAR PERIOD
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
FTSE
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY FTSE - 10 YEARS
PROJECTED DAY FTSE - 5 YEARS
PROJECTED EVE FTSE - 10 YEARS
PROJECTED EVE FTSE - 5 YEARS
PROJECTED TOTAL FTSE - 10 YEARS
PROJECTED TOTAL FTSE - 5 YEARS
MAY 21, 1981

TABLE 6

RIO SALADO COMMUNITY COLLEGE

FTSE FOR 1978-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1978-1980 ENROLLMENT PERIOD

YEAR	TOTAL FTSE
1978-79	2183
1979-80	2398
1980-81	2578

PROJECTED FTSE BASED ON 1978-1980 (THREE YEAR) PERIOD

CORRELATION COEFFICIENT (r)		1.00
SLOPE (m)		198
	1981-82	2781
	1982-83	2979
	1983-84	3176
	1984-85	3374
	1985-86	3571

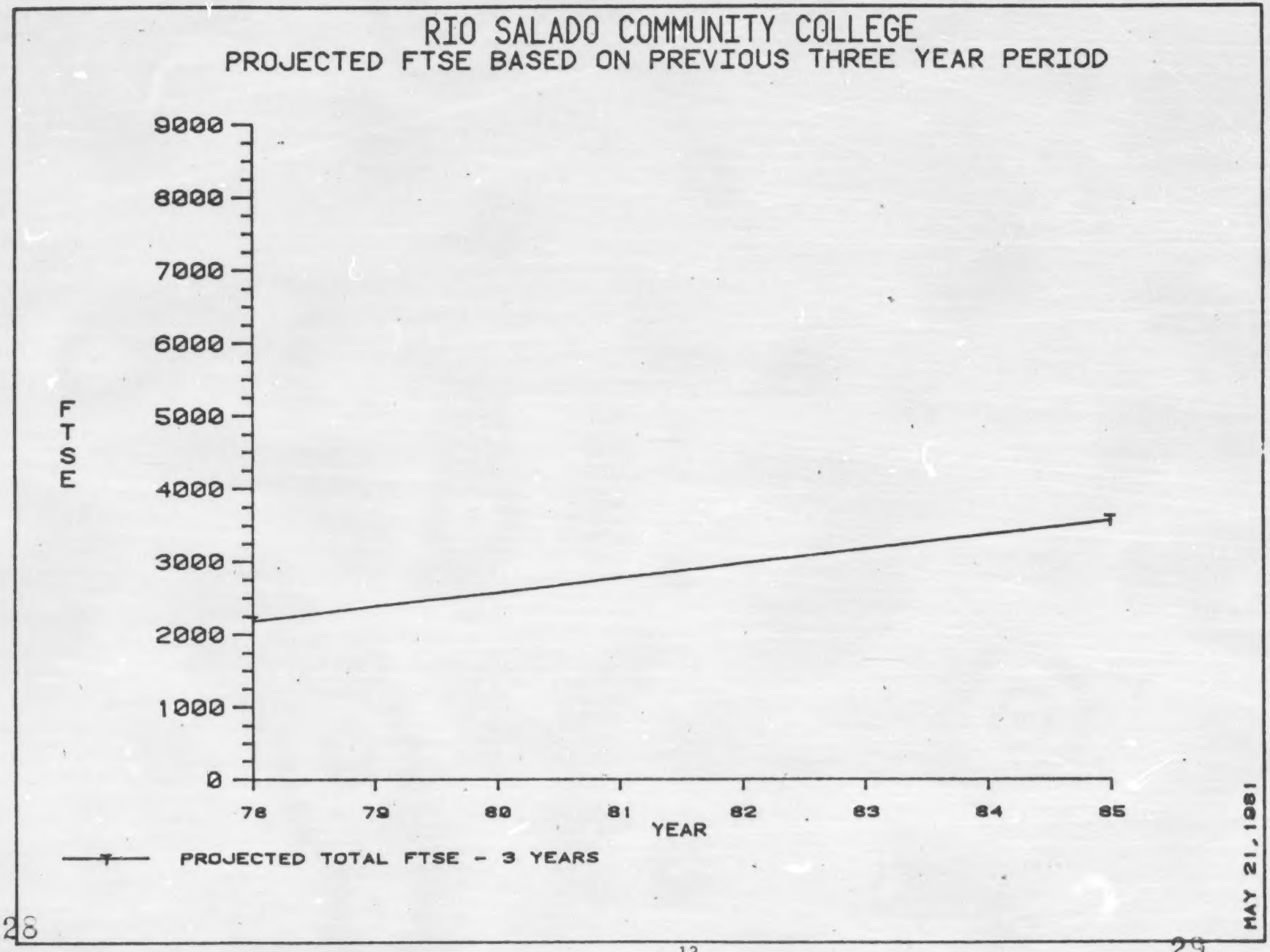
RIO SALADO COMMUNITY COLLEGE
PROJECTED FTSE BASED ON PREVIOUS THREE YEAR PERIOD
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
FTSE
78
79
80
81
82
83
84
85
YEAR
PROJECTED TOTAL FTSE - 3 YEARS
MAY 21, 1981

TABLE 7

SCOTTSDALE COMMUNITY COLLEGE

FTSE FOR 1971-1980 AND
PROJECTED FTSE FOR 1981-1985
FTSE PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY FTSE	EVENING FTSE	TOTAL FTSE
1971-72	805	407	1212
1972-73	1180	592	1772
1973-74	1284	733	2017
1974-75	1679	959	2637
1975-76	2011	1241	3252
1976-77	2025	1146	3171
1977-78	2049	1127	3175
1978-79	2030	1031	3061
1979-80	2160	1100	3257
1980-81	2390	1079	3468

PROJECTED FTSE BASED ON 1971-1980 (TEN YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.94	.77	.89
SLOPE (m)	157	70	227
1981-82	2627	1325	3951
1982-83	2785	1395	4178
1983-84	2942	1464	4405
1984-85	3100	1534	4632
1985-86	3257	1604	4859

PROJECTED FTSE BASED ON 1976-1980 (FIVE YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.86	-.57	.70
SLOPE (m)	84	-16	68
1981-82	2383	1048	3429
1982-83	2467	1032	3497
1983-84	2551	1016	3564
1984-85	2635	1000	3632
1985-86	2720	984	3700

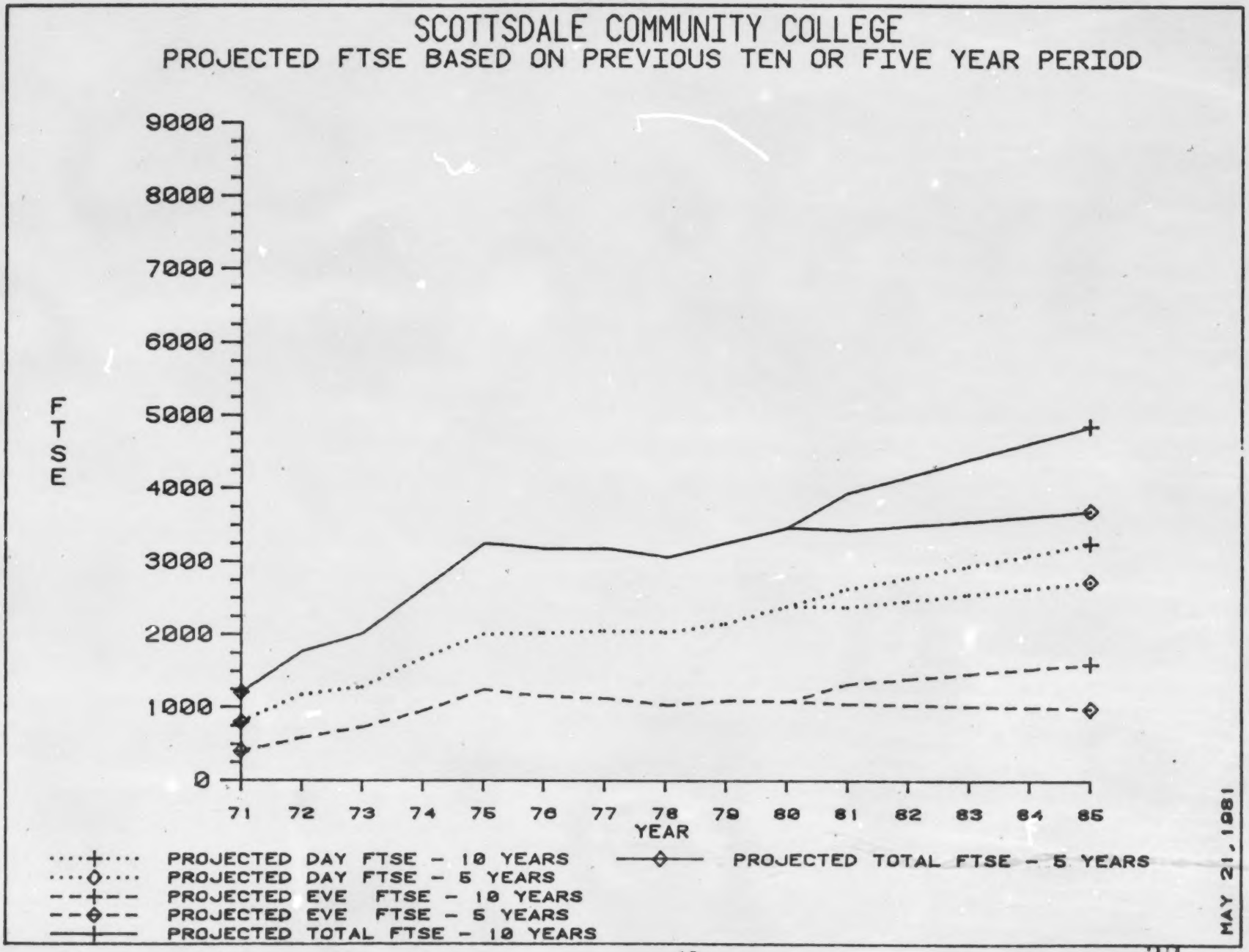
SCOTTSDALE COMMUNITY COLLEGE
PROJECTED FTSE BASED ON PREVIOUS TEN OR FIVE YEAR PERIOD
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
FTSE
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY FTSE - 10 YEARS
PROJECTED DAY FTSE - 5 YEARS
PROJECTED EVE FTSE - 10 YEARS
PROJECTED EVE FTSE - 5 YEARS
PROJECTED TOTAL FTSE - 10 YEARS
PROJECTED TOTAL FTSE - 5 YEARS
MAY 21, 1981

TABLE 8

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT

HEADCOUNT FOR 1971-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY HEADCOUNT	EVENING HEADCOUNT	TOTAL HEADCOUNT
1971-72	16121	13875	29995
1972-73	16735	16618	33353
1973-74	16700	19853	36553
1974-75	21573	22574	44147
1975-76	26096	23490	49586
1976-77	22858	25383	48241
1977-78	22513	26482	48995
1978-79	23235	30822	54057
1979-80	25572	32018	57590
1980-81	24474	35540	60014
PROJECTED HEADCOUNT BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.83	.99	.98
SLOPE (m)	1026	2250	3276
1981-82	27231	37040	64269
1982-83	28257	39290	67544
1983-84	29283	41540	70820
1984-85	30309	43790	74096
1985-86	31335	46040	77372
PROJECTED HEADCOUNT BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.78	.98	.98
SLOPE (m)	629	2585	3214
1981-82	25618	37804	63420
1982-83	26247	40389	66634
1983-84	26876	42974	69848
1984-85	27505	45559	73062
1985-86	28134	48144	76276

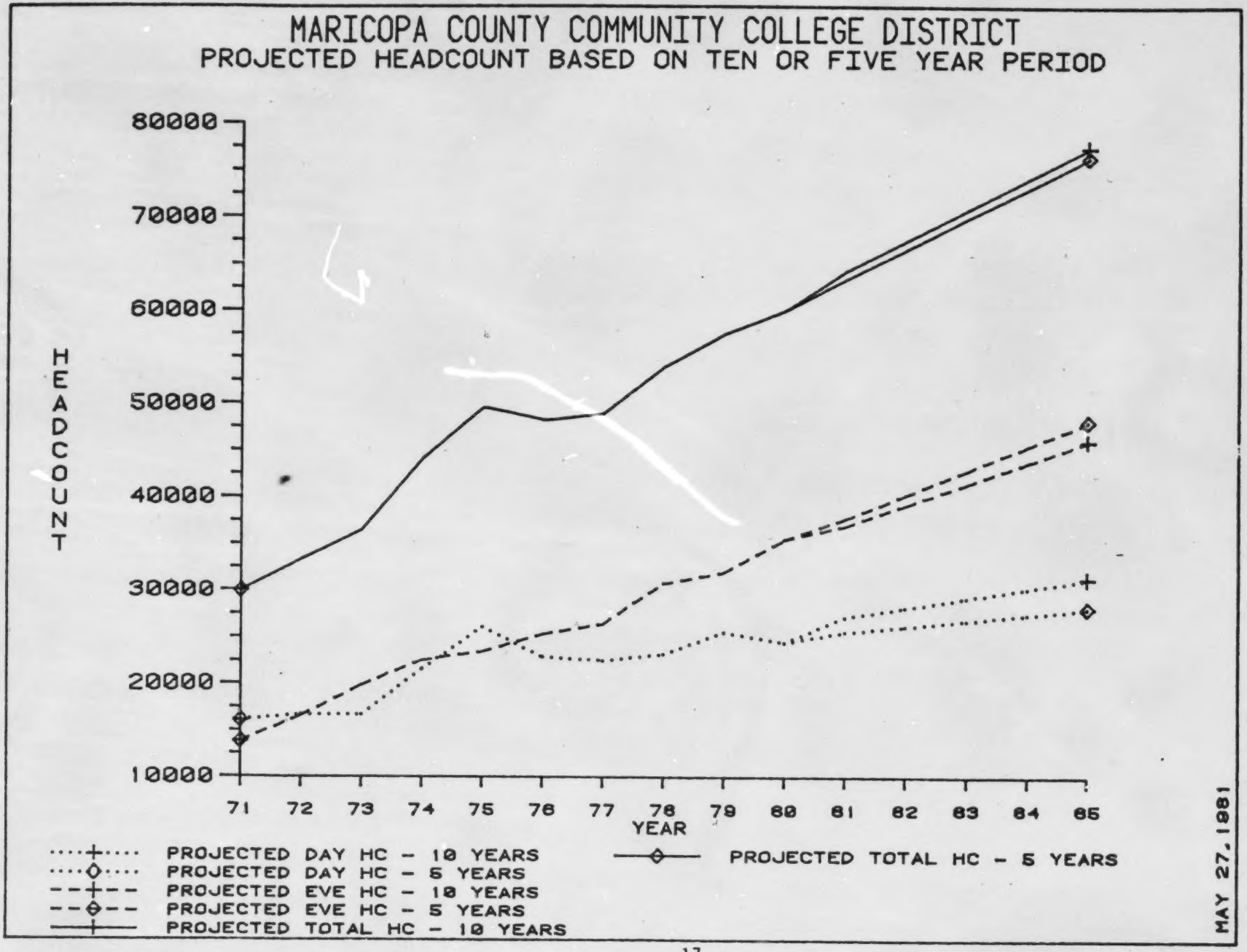
MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT
PROJECTED HEADCOUNT BASED ON TEN OR FIVE YEAR PERIOD
HEADCOUNT
80000
70000
60000
50000
40000
30000
20000
10000
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
YEAR
PROJECTED DAY HC - 10 YEARS
PROJECTED DAY HC - 5 YEARS
PROJECTED EVE HC - 10 YEARS
PROJECTED EVE HC - 5 YEARS
PROJECTED TOTAL HC - 10 YEARS
PROJECTED TOTAL HC - 5 YEARS
MAY 27, 1981

TABLE 9

GLENDALE COMMUNITY COLLEGE

HEADCOUNT FOR 1971-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY HEADCOUNT	EVENING HEADCOUNT	TOTAL HEADCOUNT
1971-72	3982	2470	6452
1972-73	3890	3195	7085
1973-74	3990	4118	8107
1974-75	5226	4859	10085
1975-76	6896	5044	11939
1976-77	5697	5954	11651
1977-78	5724	6292	12016
1978-79	5639	6118	11756
1979-80	5903	6638	12540
1980-81	6046	6680	12726
PROJECTED HEADCOUNT BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.74	.96	.92
SLOPE (m)	250	468	718
1981-82	6673	7710	14382
1982-83	6923	8178	15100
1983-84	7172	8646	15818
1984-85	7422	9114	16535
1985-86	7672	9582	17253
PROJECTED HEADCOUNT BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.82	.89	.89
SLOPE (m)	88	180	267
1981-82	6065	6876	12940
1982-83	6153	7056	13207
1983-84	6240	7235	13475
1984-85	6328	7415	13742
1985-86	6416	7595	14010

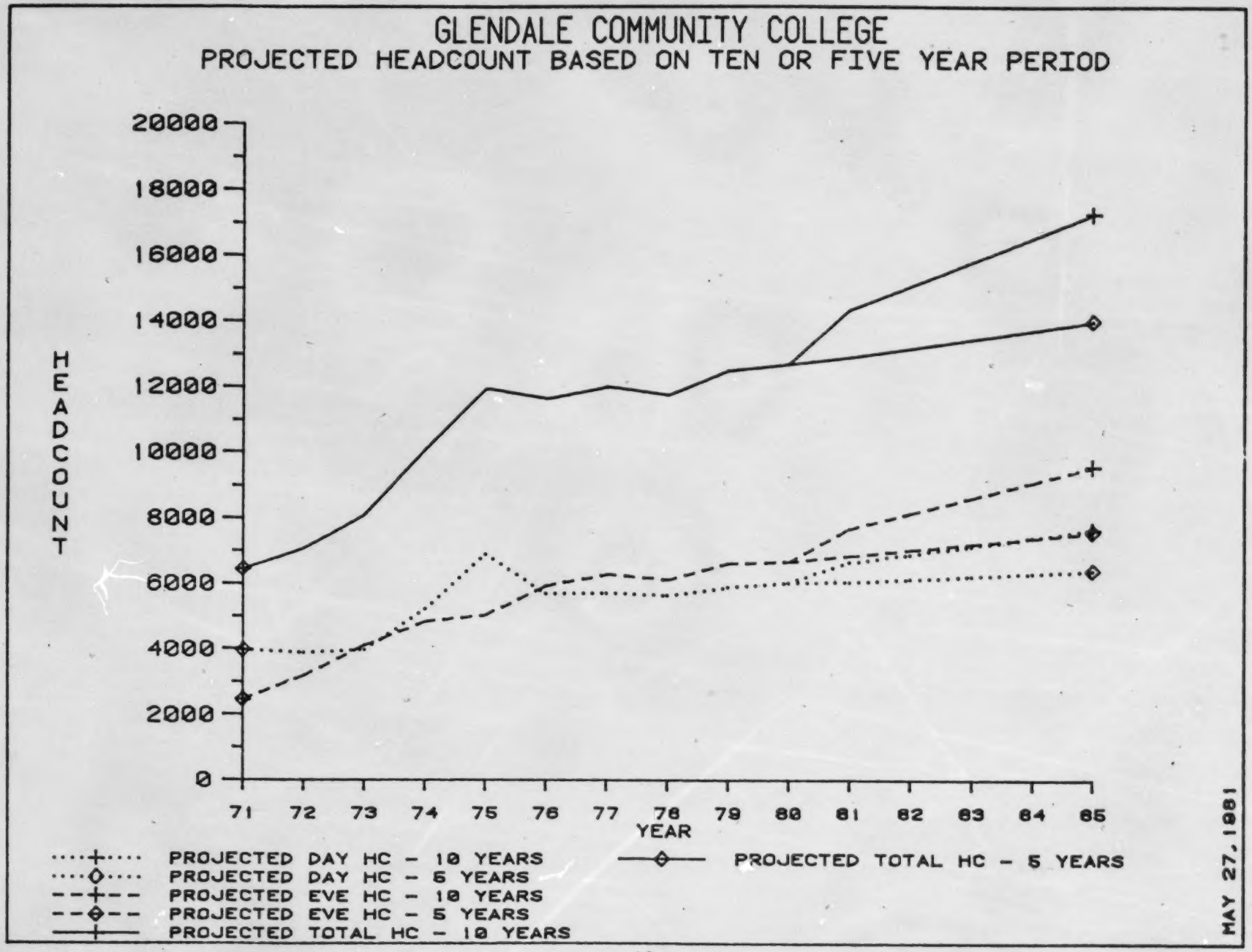
GLENDALE COMMUNITY COLLEGE
PROJECTED HEADCOUNT BASED ON TEN OR FIVE YEAR PERIOD
HEADCOUNT
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY HC - 10 YEARS
PROJECTED DAY HC - 5 YEARS
PROJECTED EVE HC - 10 YEARS
PROJECTED EVE HC - 5 YEARS
PROJECTED TOTAL HC - 10 YEARS
PROJECTED TOTAL HC - 5 YEARS
MAY 27, 1981

TABLE 10

MARICOPA TECHNICAL COMMUNITY COLLEGE

HEADCOUNT FOR 1871-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY HEADCOUNT	EVENING HEADCOUNT	TOTAL HEADCOUNT
1971-72	1383	3858	5241
1972-73	1963	4230	6193
1973-74	1606	4957	6563
1974-75	2676	4571	7247
1975-76	2629	3749	6378
1976-77	1844	3330	5173
1977-78	1743	3696	5439
1978-79	1650	1696	3346
1979-80	1668	1733	3400
1980-81	1628	1583	3211
PROJECTED HEADCOUNT BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	-.14	-.85	-.76
SLOPE (m)	-20	-347	-367
1981-82	1772	1430	3201
1982-83	1752	1083	2834
1983-84	1732	736	2468
1984-85	1713	388	2101
1985-86	1693	41	1734
PROJECTED HEADCOUNT BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	-.91	-.85	-.86
SLOPE (m)	-51	-546	-596
1981-82	1555	771	2325
1982-83	1504	225	1729
1983-84	1453	-321	1132
1984-85	1402	-867	536
1985-86	1352	-1412	-60

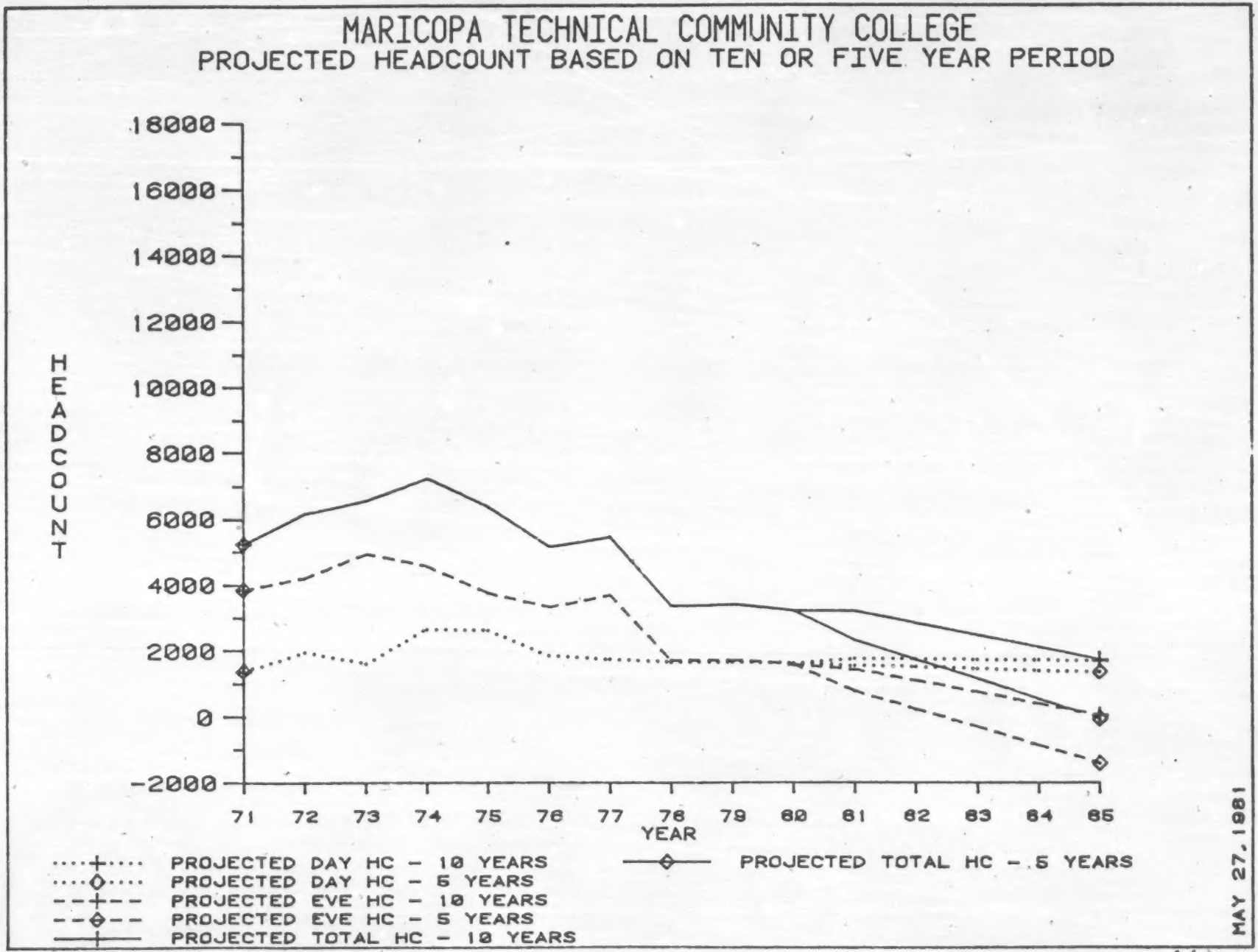
MARICOPA TECHNICAL COMMUNITY COLLEGE
PROJECTED HEADCOUNT BASED ON TEN OR FIVE YEAR PERIOD
HEADCOUNT
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY HC - 10 YEARS
PROJECTED DAY HC - 5 YEARS
PROJECTED EVE HC - 10 YEARS
PROJECTED EVE HC - 5 YEARS
PROJECTED TOTAL HC - 10 YEARS
PROJECTED TOTAL HC - 5 YEARS
MAY 27, 1981

TABLE 11

MESA COMMUNITY COLLEGE

HEADCOUNT FOR 1971-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY HEADCOUNT	EVENING HEADCOUNT	TOTAL HEADCOUNT
1971-72	4236	2172	6408
1972-73	4083	2770	6853
1973-74	4297	3313	7609
1974-75	5424	4467	9891
1975-76	6546	5154	11700
1976-77	5973	5548	11521
1977-78	5794	5949	11743
1978-79	6021	5859	11879
1979-80	6321	6663	12984
1980-81	6621	6639	13260
PROJECTED HEADCOUNT BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.87	.97	.95
SLOPE (m)	281	515	796
1981-82	7075	7688	14762
1982-83	7355	8202	15558
1983-84	7636	8718	16354
1984-85	7916	9233	17150
1985-86	8197	9749	17945
PROJECTED HEADCOUNT BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.88	.92	.95
SLOPE (m)	182	290	472
1981-82	6693	7000	13693
1982-83	6875	7290	14165
1983-84	7058	7580	14637
1984-85	7240	7869	15109
1985-86	7422	8159	15581

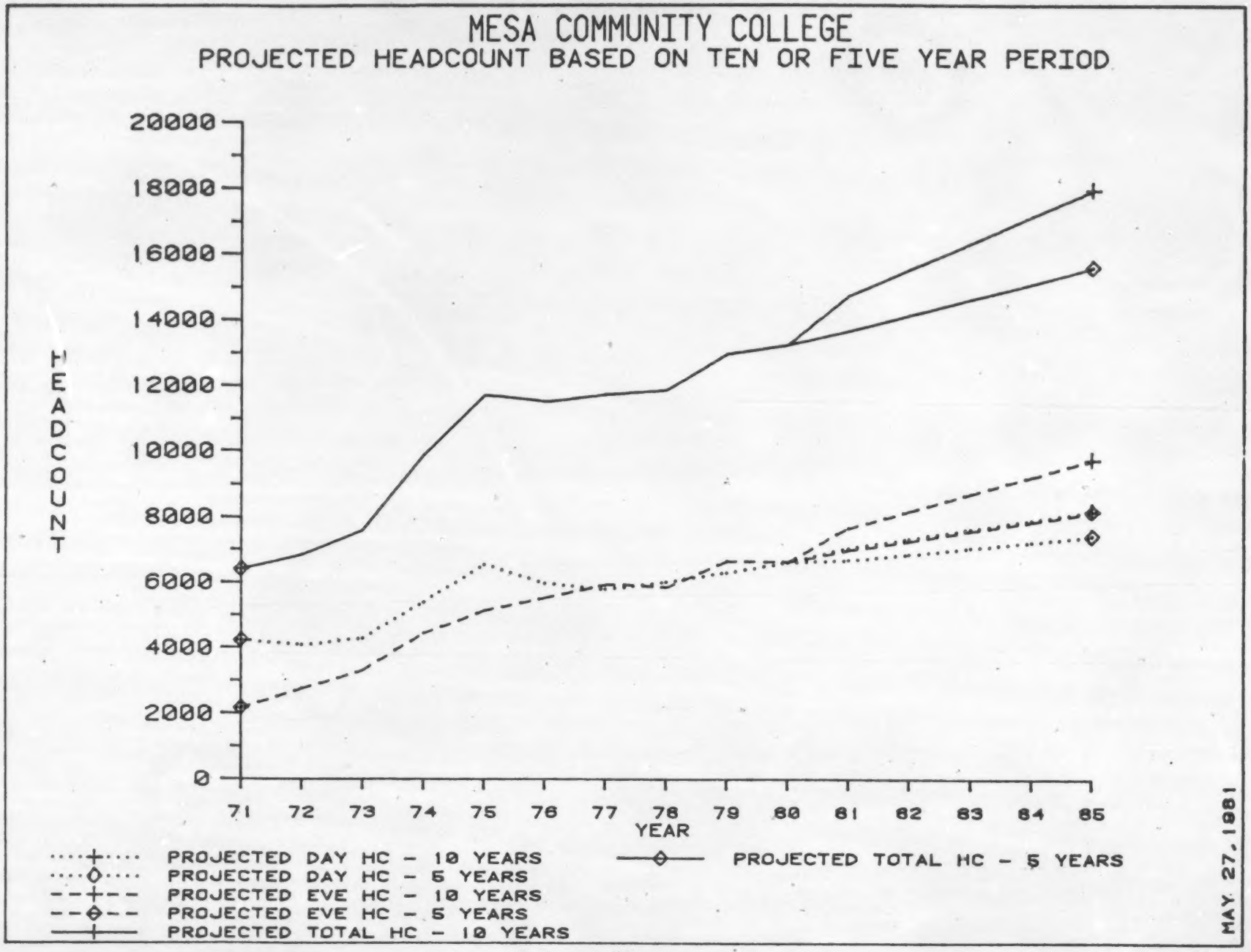
MESA COMMUNITY COLLEGE
PROJECTED HEADCOUNT BASED ON TEN OR FIVE YEAR PERIOD
HEADCOUNT
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY HC - 10 YEARS
PROJECTED DAY HC - 5 YEARS
PROJECTED EVE HC - 10 YEARS
PROJECTED EVE HC - 5 YEARS
PROJECTED TOTAL HC - 10 YEARS
PROJECTED TOTAL HC - 5 YEARS
MAY 27, 1981

TABLE 12

PHOENIX COLLEGE

HEADCOUNT FOR 1971-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY HEADCOUNT	EVENING HEADCOUNT	TOTAL HEADCOUNT
1971-72	5266	4574	9840
1972-73	4892	5277	10169
1973-74	4758	5877	10635
1974-75	5446	6673	12119
1975-76	6739	7122	13861
1976-77	6097	7443	13539
1977-78	6011	7533	13544
1978-79	5684	6998	12732
1979-80	5883	7347	13229
1980-81	6052	6958	13009
PROJECTED HEADCOUNT BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.60	.81	.78
SLOPE (m)	119	269	390
1981-82	6339	8062	14414
1982-83	6459	8331	14804
1983-84	6578	8601	15194
1984-85	6697	8870	15584
1985-86	6817	9140	15974
PROJECTED HEADCOUNT BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	-.21	-.70	-.62
SLOPE (m)	-22	-116	-138
1981-82	5880	6909	12798
1982-83	5858	6793	12661
1983-84	5836	6678	12523
1984-85	5815	6562	12386
1985-86	5793	6447	12248

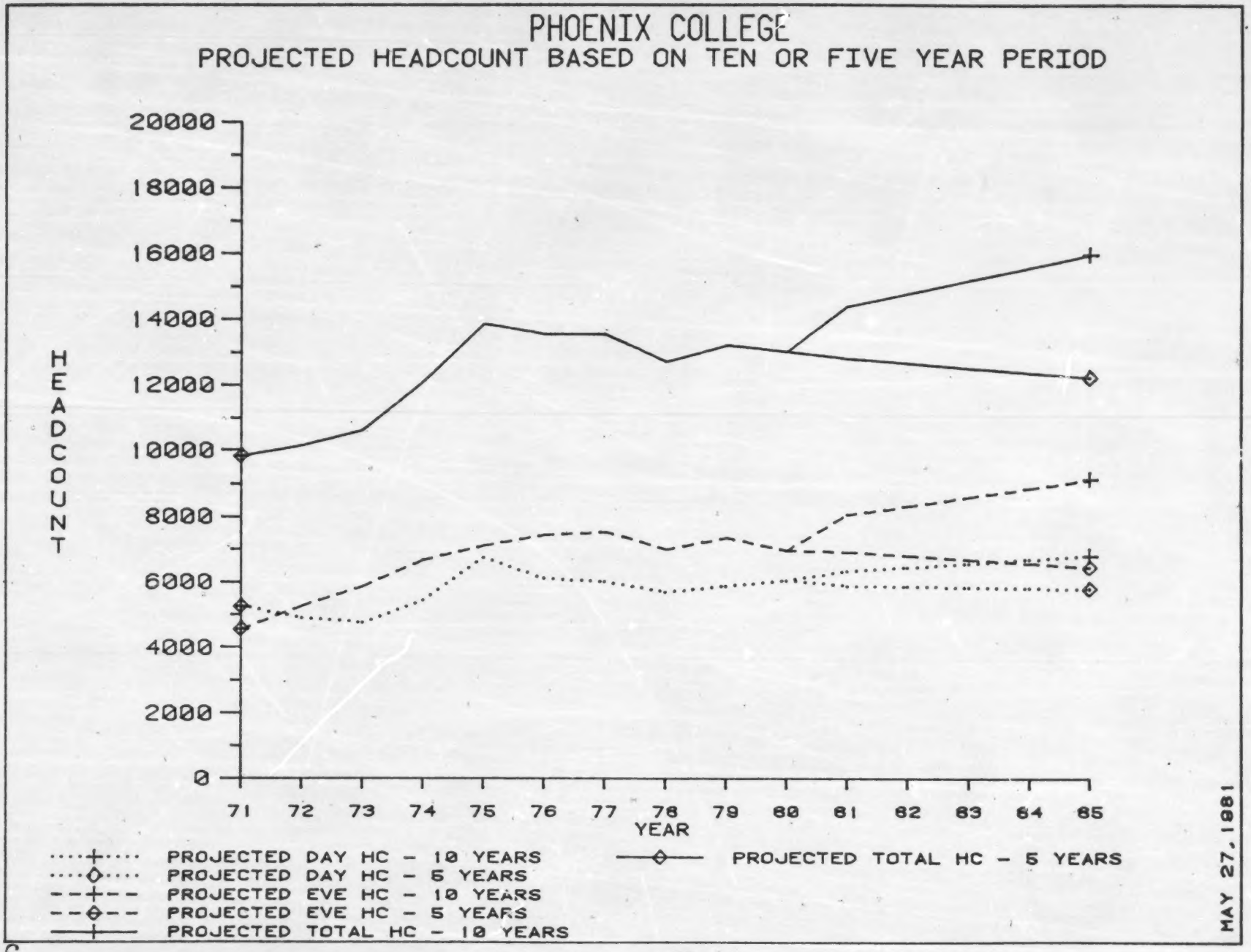
PHOENIX COLLEGE
PROJECTED HEADCOUNT BASED ON TEN OR FIVE YEAR PERIOD
HEADCOUNT
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
YEAR
PROJECTED DAY HC - 10 YEARS
PROJECTED DAY HC - 5 YEARS
PROJECTED EVE HC - 10 YEARS
PROJECTED EVE HC - 5 YEARS
PROJECTED TOTAL HC - 10 YEARS
PROJECTED TOTAL HC - 5 YEARS
MAY 27, 1981

TABLE 13

RIO SALADO COMMUNITY COLLEGE

HEADCOUNT FOR 1978-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1978-1980 ENROLLMENT PERIOD

YEAR	TOTAL HEADCOUNT
1978-79	8199
1979-80	8897
1980-81	10255

PROJECTED HEADCOUNT BASED ON 1978-1980 (THREE YEAR) PERIOD

CORRELATION COEFFICIENT (r)	.98
SLOPE (m)	1028
1981-82	11173
1982-83	12201
1983-84	13229
1984-85	14257
1985-86	15285

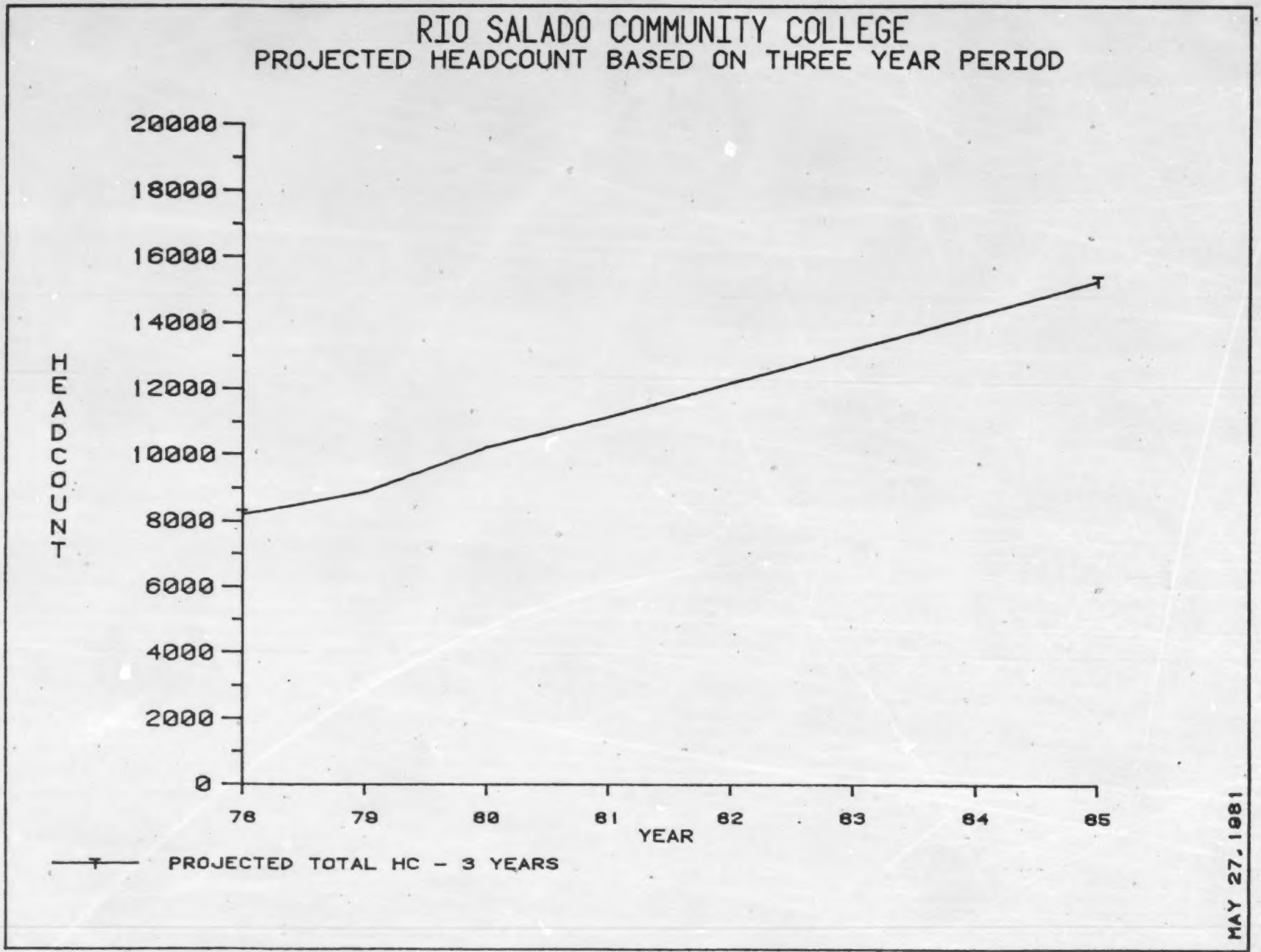
RIO SALADO COMMUNITY COLLEGE
PROJECTED HEADCOUNT BASED ON THREE YEAR PERIOD
HEADCOUNT
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
78
79
80
81
82
83
84
85
YEAR
PROJECTED TOTAL HC - 3 YEARS
MAY 27, 1981

TABLE 14

SCOTTSDALE COMMUNITY COLLEGE

HEADCOUNT FOR 1971-1980 AND
PROJECTED HEADCOUNT FOR 1981-1985
HEADCOUNT PROJECTIONS BASED ON 1971-1980 OR 1976-1980 ENROLLMENT PERIODS

YEAR	DAY HEADCOUNT	EVENING HEADCOUNT	TOTAL HEADCOUNT
1971-72	1254	802	2055
1972-73	1908	1147	3055
1973-74	2051	1589	3640
1974-75	2802	2005	4807
1975-76	3423	2451	5874
1976-77	3179	2958	6137
1977-78	3241	3013	6254
1978-79	3277	2868	6145
1979-80	3494	3047	6541
1980-81	3875	2946	6821
PROJECTED HEADCOUNT BASED ON 1971-1980 (TEN YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.92	.92	.93
SLOPE (m)	254	258	512
1981-82	4247	3700	7947
1982-83	4501	3958	8459
1983-84	4755	4215	8970
1984-85	5009	4473	9482
1985-86	5262	4731	9994
PROJECTED HEADCOUNT BASED ON 1976-1980 (FIVE YEAR) PERIOD			
CORRELATION COEFFICIENT (r)	.92	.02	.88
SLOPE (m)	165	1	166
1981-82	3907	2969	6876
1982-83	4071	2970	7042
1983-84	4236	2971	7207
1984-85	4400	2972	7373
1985-86	4565	2973	7538

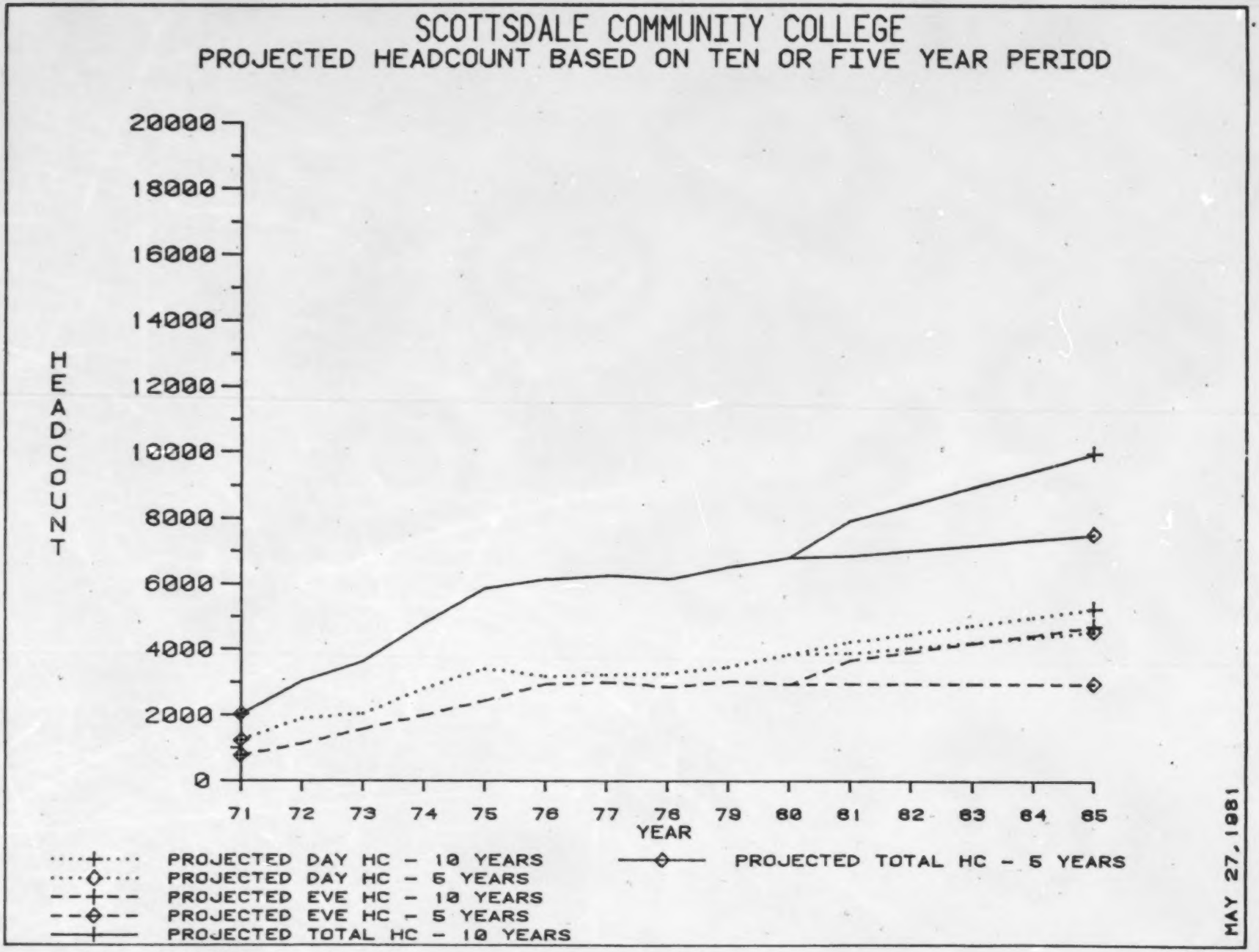
SCOTTSDALE COMMUNITY COLLEGE
PROJECTED HEADCOUNT BASED ON TEN OR FIVE YEAR PERIOD
HEADCOUNT
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
71 72 73 74 75 76 77 78 79 80 81 82 83 84 85
YEAR
PROJECTED DAY HC - 10 YEARS
PROJECTED DAY HC - 5 YEARS
PROJECTED EVE HC - 10 YEARS
PROJECTED EVE HC - 5 YEARS
PROJECTED TOTAL HC - 10 YEARS
PROJECTED TOTAL HC - 5 YEARS
MAY 27, 1981

TABLE 15

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT

FTSE PROJECTIONS BY COLLEGE

1981-82

FALL 1981-82

	DAY	EVENING	TOTAL
GCC	4300	2525	6825
MTCC*	1101	650	1751
MCC	4796	2684	7480
PC	4200	2550	6750
RSCC	-	2625	2625
SCC	2536	1113	3649
SMCC	445	350	795
MCCCD	17378	12497	29875

SPRING 1981-82

	DAY	EVENING	TOTAL
GCC	4120	2525	6645
MTCC*	1101	650	1751
MCC	3762	2358	6120
PC	3800	2550	6350
RSCC	-	2625	2625
SCC	2571	1124	3695
SMCC	556	437	993
MCCCD	15910	12269	28179

AVERAGE 1981-82

	DAY	EVENING	TOTAL
GCC	4210	2525	6735
MTCC*	1101	650	1751
MCC	4279	2521	6800
PC	4000	2550	6550
RSCC	-	2625	2625
SCC	2553	1119	3672
SMCC	500	393	893
MCCCD	16643	12383	29026

*Includes regular and short-term FTSE.
SOURCE: FTSE ESTIMATION OUTLINES (rev. 1/22/81)

TABLE 16

MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT

HEADCOUNT PROJECTIONS BY COLLEGE

1981-82

FALL 1981-82

	DAY	EVENING	TOTAL
GCC	6363	6959	13322
MTCC*	1764	1550	3314
MCC	6724	6565	13289
PC	6300	7200	13500
RSCC	-	10673	10673
SCC	4042	3018	7060
SMCC	702	468	1170
MCCCD	25895	36433	62328

SPRING 1981-82

	DAY	EVENING	TOTAL
GCC	6283	6959	13242
MTCC*	1764	1550	3314
MCC	5915	6468	12383
PC	6000	7200	13200
RSCC	-	10673	10673
SCC	4082	3048	7130
SMCC	877	585	1462
MCCCD	24921	36483	61404

AVERAGE 1981-82

	DAY	EVENING	TOTAL
GCC	6323	6959	13282
MTCC*	1764	1550	3314
MCC	6320	6516	12836
PC	6150	7200	13350
RSCC	-	10673	10673
SCC	4062	3033	7095
SMCC	789	526	1315
MCCCD	25408	36457	61865

*Includes regular and short-term courses
SOURCE: FTSE ESTIMATION OUTLINES (rev. 1/22/81)

UNIVERSITY OF CALIFORNIA
ERIC CLEARINGHOUSE FOR
JUNIOR COLLEGES
96 POWELL LIBRARY BUILDING
LOS ANGELES, CALIFORNIA 90024
EE 36

NOV 20 1981